

# INTERNATIONAL SEARCH REPORT

ational Application No

/NL2004/000708

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C12N15/82 C07K14/28

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96/12801 A (ARNTZEN CHARLES J ; TEXAS A & M UNIVERSITY SYST (US); HAQ TARIQ A (US)) 2 May 1996 (1996-05-02) page 45, line 28 - page 46, line 32; figure 11	1-23
Y	WO 99/18225 A (UNIV LOMA LINDA) 15 April 1999 (1999-04-15) page 5, line 1 - page 6, line 31 page 26, line 14 - page 28, line 22 page 39, line 29 - page 41, line 8	1-23
Y	US 6 103 243 A (DE AIZPURUA HENRY JAMES ET AL) 15 August 2000 (2000-08-15) column 2, line 20 - column 6, line 13; examples 3,4	1-23
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

\* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

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\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\* & \* document member of the same patent family

Date of the actual completion of the international search

17 November 2004

Date of mailing of the international search report

26/11/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>RIGANO M M ET AL: "Targeting of plant-derived vaccine antigens to immunoresponsive mucosal sites" VACCINE, BUTTERWORTH SCIENTIFIC. GUILDFORD, GB, vol. 21, no. 7-8, 30 January 2003 (2003-01-30), pages 809-811, XP004401630 ISSN: 0264-410X * page 810, column 2 , paragraph 3 - page 811, column 1 , paragraph 1 *</p> <p>-----</p>	1-23
Y	<p>SALA F ET AL: "Vaccine antigen production in transgenic plants: strategies, gene constructs and perspectives" 30 January 2003 (2003-01-30), VACCINE, BUTTERWORTH SCIENTIFIC. GUILDFORD, GB, PAGE(S) 803-808 , XP004401629 ISSN: 0264-410X the whole document</p> <p>-----</p>	1-23
Y	<p>LAUTERSLAGER T G M: "Feasibility of oral immunisation with LTB-based edible vaccines" 2002, PH.D. THESIS , UTRECHT , XP002272409 ISBN: 90-393-3237-1 page 71 - page 106</p> <p>-----</p>	1-23
Y	<p>KIM T -G ET AL: "Assembly of cholera toxin B subunit full-length rotavirus NSP4 fusion protein oligomers in transgenic potato." PLANT CELL REPORTS, vol. 21, no. 9, June 2003 (2003-06), pages 884-890, XP002272408 &amp; ISSN: 0721-7714 page 884, column 2, paragraph 2 - page 885, paragraph 1</p> <p>-----</p>	1-23
Y	<p>ARAKAWA T ET AL: "Suppression of autoimmune diabetes by a plant-delivered cholera toxin b subunit-human glutamate decarboxylase fusion protein" TRANSGENICS, HARWOOD ACADEMIC PUBLISHERS, BASEL, CH, vol. 3, no. 1, 1999, pages 51-60, XP001040321 ISSN: 1023-6171 page 54, column 2, paragraph 3 - page 57, column 1, paragraph 3</p> <p>-----</p> <p style="text-align: center;">-/--</p>	1-23

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>BERGEROT I ET AL: "A CHOLERA TOXOID-INSULIN CONJUGATE AS AN ORAL VACCINE AGAINST SPONTANEOUS AUTOIMMUNE DIABETES" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 94, April 1997 (1997-04), pages 4610-4614, XP002901456 ISSN: 0027-8424 the whole document</p> <p>-----</p>	1-23

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